



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

CITY OF MARTINSVILLE
Installation of Legendary Hills & Liberty Church Road Booster Stations
PER Addendum #2
STATE REVOLVING FUND PROJECT # DW102 221 01

Date: February 8, 2010

Target Project Approval Date: March 11, 2010

I. INTRODUCTION

The above entity has applied to the Drinking Water State Revolving Loan Fund (SRF) Program for a loan to finance all or part of the drinking water project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Drinking Water Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Max Henschen
Senior Environmental Manager
State Revolving Fund -- IGCN 1275
100 N. Senate Ave.
Indianapolis, IN 46204
317-232-8623

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address: City of Martinsville
PER Addendum #2
Booster Station Projects:
 Legendary Hills & Liberty Church Rd.
P.O. Box 1415
Martinsville, IN 46151

SRF Project Number: DW102 221 01

Authorized Representative: Phil Deckard, Mayor

II. PROJECT LOCATION

Martinsville is located in Morgan County at the intersection of State Road 37 and State Road 252. Both projects are in Washington civil township.

Legendary Hills Booster Station: The proposed booster station replacement will be located near the intersection of Old State Highway 37 and State Road 37 in the Martinsville USGS quadrangle T11N, R1E, center of Section 18. See figures 1 and 2.

Liberty Church Road Booster Station: The proposed booster station installation will be located on the north side of the intersection of Liberty Church Road and Liberty Church Loop Road in the Martinsville USGS quadrangle T11N, R1E, west center of Section 19. See figures 1 and 3.

III. PROJECT NEED AND PURPOSE

The State Revolving Fund (SRF) Loan Program approved a Preliminary Engineering Report proposing an extensive project for Martinsville on August 6, 2007. In December, 2007, the SRF approved reimbursement for a Granulated Activated Carbon filtration unit. This project represents Addendum #2 to the approved PER.

Legendary Hills Booster Station: The existing booster station poses significant safety hazards to city personnel. The pumps are located in an underground concrete block vault that is prone to collecting water and structurally unsound, making maintenance difficult and unsafe. A new booster station will be installed to address these safety and structural concerns.

Liberty Church Road Booster Station: The proposed booster station is needed to ensure that a newly constructed 1.5 million gallon (MG) water storage tank will operate as designed. There is no booster station at the site now.

IV. PROJECT DESCRIPTION

Legendary Hills Booster Station: The proposed booster station will be sized to deliver 100 gallons per minute (GPM) at 130 psi. The city proposes to use two variable frequency drive pumps to maintain constant pressure, as well as a flow meter. The pumps will be installed as a prepackaged system with two tilt-back enclosures, one to house the pumps, motors, and controls, and the other to house the flow meter assembly. Each enclosure will be approximately 5 ft wide x 7 ft long x 5 ft tall. The city is considering installing a permanent emergency generator at the site as an alternative to a generator plug-in connection. The city is also considering constructing a prefabricated building as an alternative to the tilt-back enclosures. The choice of each is dependent on costs and available funds.

Liberty Church Road Booster Station: The proposed booster station will be sized to deliver 125 GPM at 130 psi. Other details are the same as the Legendary Hills booster station, as described above.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

Legendary Hills Booster Station

(Building with Generator)

Demolition/Site Work	\$ 8,000
Pump Equipment and Enclosure	\$75,000
Flow Meter	\$ 7,000
Generator	\$ 29,000
Installation and Piping Modifications	\$ 20,000

Liberty Church Road Booster Station

(Building with Generator)

Site Work	\$ 5,000
Pump Equipment and Enclosure	\$ 85,000
Flow Meter	\$ 7,000
Generator	\$ 32,000
Installation and Piping Modifications	\$ 25,000

Construction Sub-Total	\$293,000
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Contingency (10%)	\$ 29,300
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Construction Total	\$ 322,300
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The city will not incur non-construction costs

Total Project Cost	\$ 322,300
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- B.** Martinsville will use the balance of SRF Loan DW10 22 21 01 (approximately \$235,233), as well as local funds, to pay for these projects. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

Legendary Hills Booster Station: The no-action alternative would result in the continued operation of the existing booster station. City personnel would continue to be faced with safety hazards. For this reason, this alternative was not considered further.

Booster Station Replacement: This alternative would replace the Liberty Hills booster station with a new facility. The new station will provide safer working conditions. This is the selected alternative.

Liberty Church Road Booster Station: The no-action alternative would result in the water storage tank not operating properly. For this reason, this alternative was not considered.

Booster Station Installation: This alternative would result in constructing a new booster station to provide adequate water pressure and ensure proper operation of the water storage tank. This is the selected alternative.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Undisturbed/Disturbed Land: Neither project will affect land which has not been disturbed by previous construction activity. Water mains have been installed through the Liberty Church Road booster station site and the Legendary Hills site was disturbed during construction of the existing booster station.

Structural Resources (Figure 4): Neither project will negatively affect structural resources or historic sites, including the “contributing”-ranked historic Liberty Church cemetery, site 109-386-60037. If any visual or audible impacts to historic sites occur, they will be temporary and will not alter the characteristics that qualify historic properties for inclusion in or eligibility for the state or national registers of historic places. The SRF’s Section 106 finding pursuant to the National Historic Preservation Act is: “no historic properties affected.”

Surface Waters and Wetlands (Figure 1): Neither project will affect wetlands.

100-Year Floodplain (Figure 1): Neither project is in the 100-year floodplain.

Groundwater: The proposed projects will not adversely affect groundwater or a sole source aquifer.

Plants and Animals: Neither project will affect state or federal-listed endangered species or their habitat.

Prime Farmland: Neither project will convert prime/unique farmland.

Air Quality: Construction activities may generate some noise, fumes and dust. Construction activities should not impact ozone, airborne pollutants or other air quality concerns.

Open Space and Recreational Opportunities: The proposed projects will neither create nor destroy open space and recreational opportunities.

- B. Indirect Impacts:** The city's 2007-approved PER states *"The City through the authority of its council, planning commission, or other means, will ensure that future development, as well as future supply, storage, distribution or treatment works projects connecting to SRF funded facilities will not adversely impact wetlands, archaeological/structural resources or other sensitive environmental resources. The City will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities"*.

C. Comments from Environmental Review Authorities

The Natural Resources Conservation Service has indicated that the project will not convert prime/unique farmland. This document is the first notice to the U.S. Fish and Wildlife Service, the IDNR Environmental Unit and the IDNR Division of Historic Preservation and Archaeology (DHPA).

VIII. MITIGATION MEASURES

The city's 2007-approved PER states:

The project will be implemented to minimize impact to non-endangered species and their habitat. Mitigation measures cited in comment letters from the Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.

Siltation and erosion will be kept to a minimum.... Drainage systems will be stabilized as early as possible to avoid sedimentation problems.

IX. PUBLIC PARTICIPATION

A properly advertised public hearing was held at 5:30 pm. on Friday January 6th, 2006, at the City Hall to discuss the original PER, later approved, and solicit citizens' views and questions regarding the projects proposed in that PER. The PER was available for review for 10 days prior to the hearing and was made available for public review during the hearing. No written comments were received during the ten days following the public hearing.

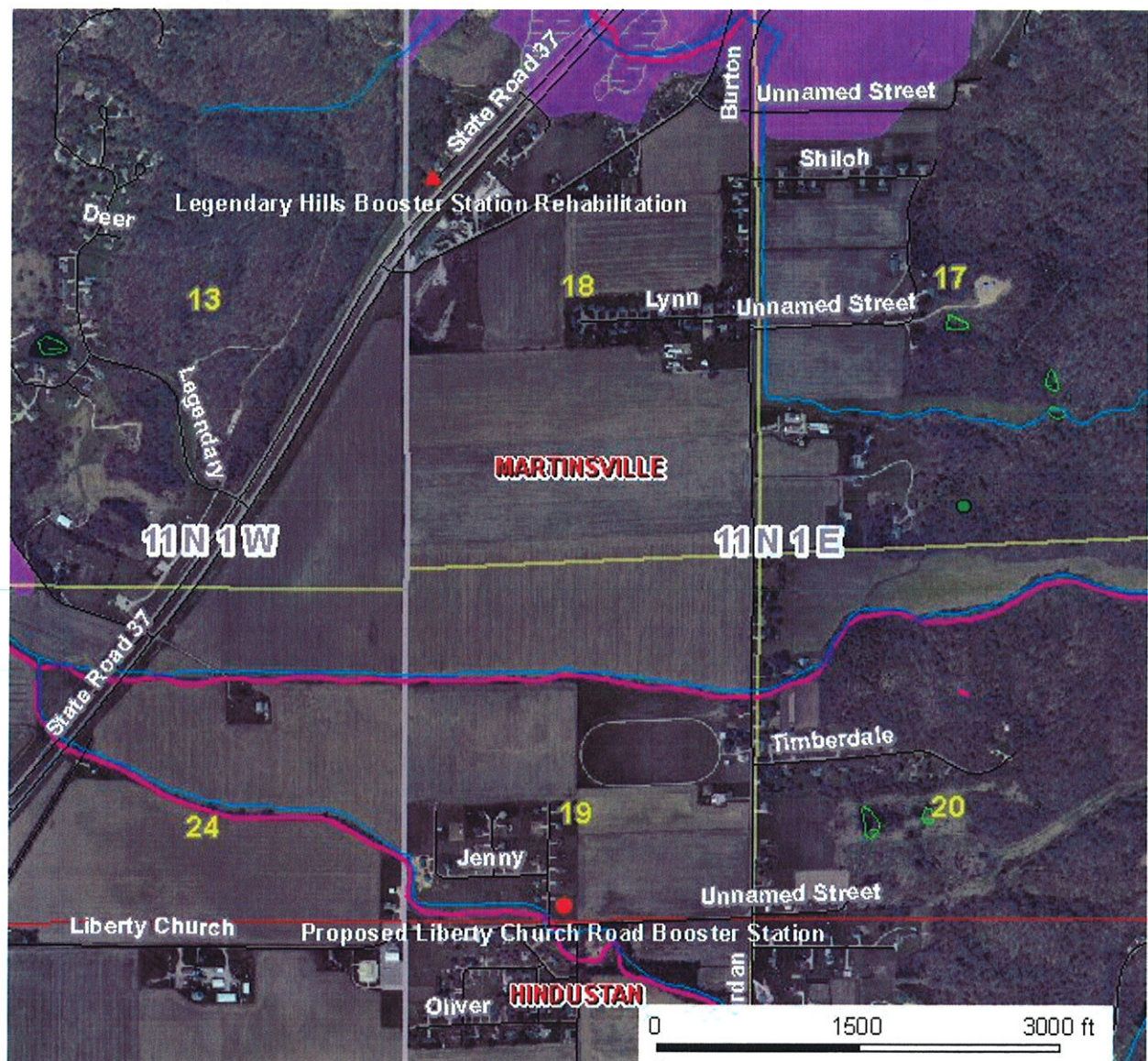
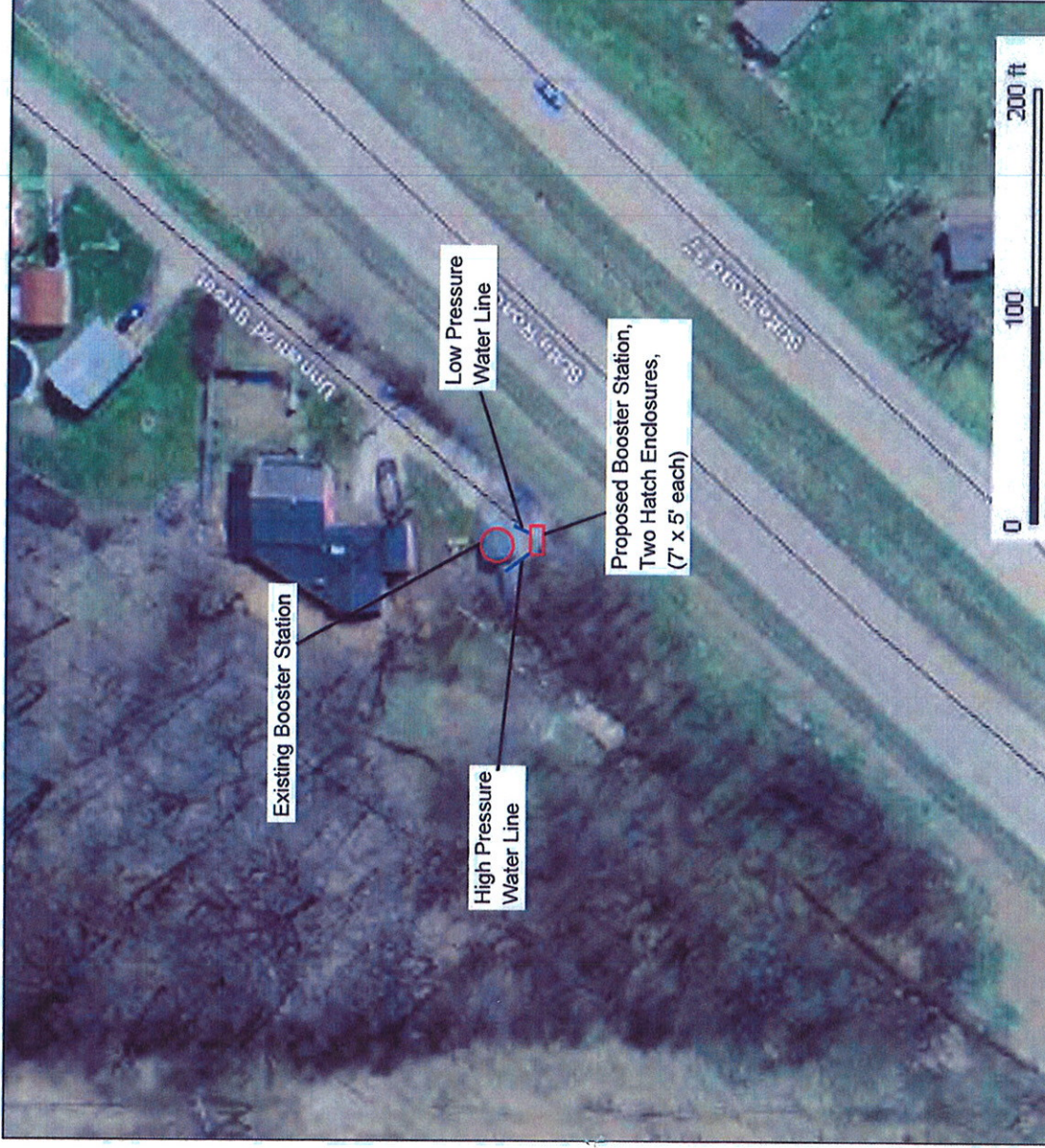
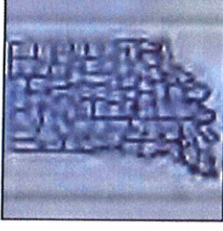


Figure 1: Project Areas and streams (blue lines), riverine wetlands (magenta lines), other wetlands (green polygons) and 100-year floodplain (pink area). Also shown are: USGS quadrangle names (in red), Sections and Section #s (in yellow) and Public Land Survey System township/range coordinates.

Legendary Hills Site Layout



Scale 1:931

This map was prepared by the Indiana Geological Survey, using data believed to be accurate. However, a margin of error is inherent in all maps. This product is distributed "AS-IS" without warranty, including but not limited to, the accuracy, completeness, or suitability for a particular purpose or use. The user assumes all liability for any errors or omissions in either design or production of this map to define the limits or jurisdiction of any federal, state or local government. A detailed on-the-ground survey and historical analysis of a single site may differ from this map.

Indiana Geological Survey

FIGURE 2: Proposed Legendary Hills Booster Station Site

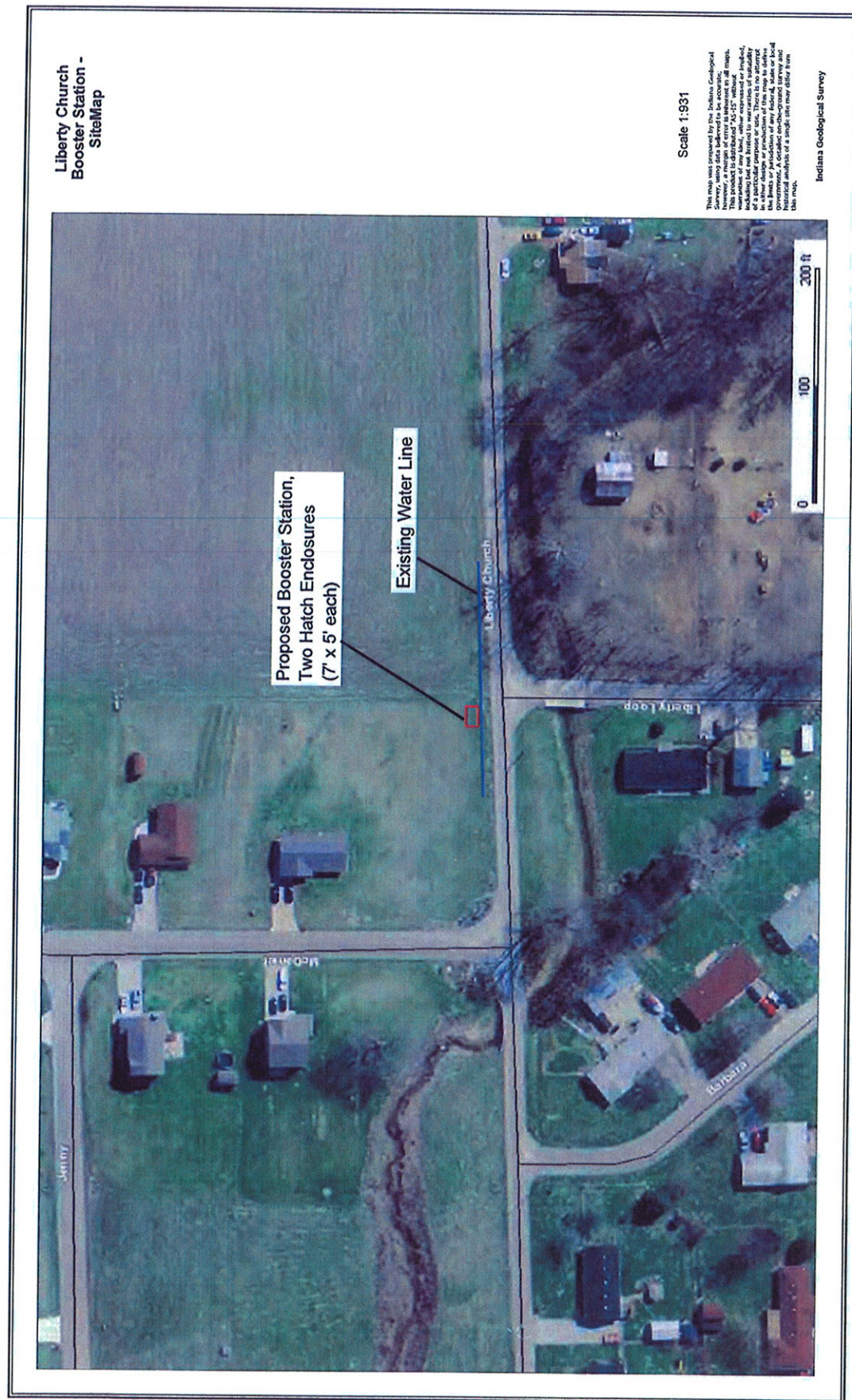
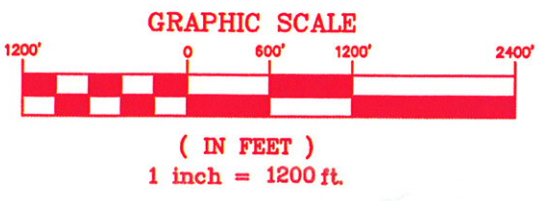
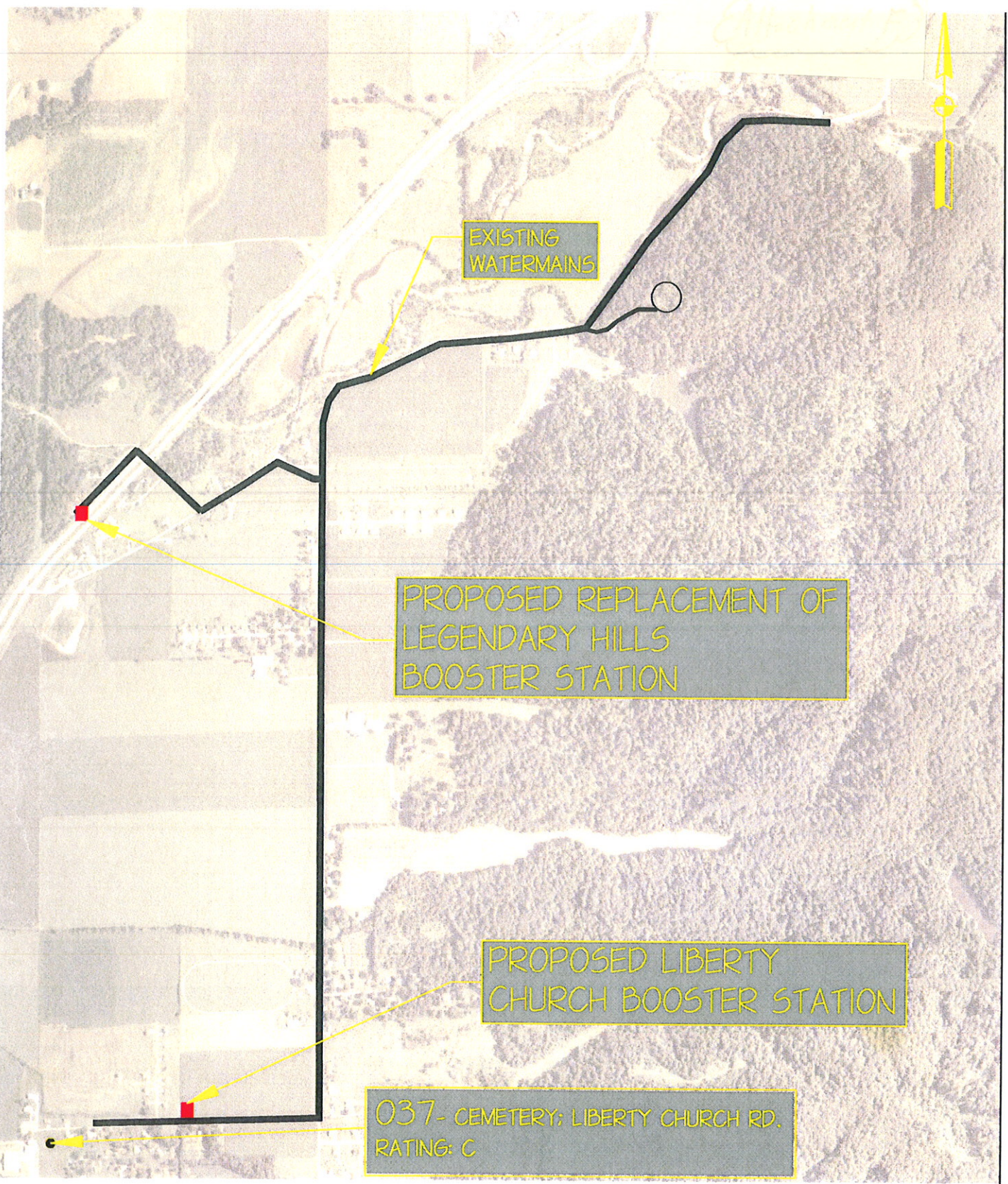


FIGURE 3: Proposed Liberty Church Road Booster Station Site

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	Engineers • Surveyors • Planners	1" = 1200'
	CITY OF MARTINSVILLE	Project:
		2522.00

FIGURE 4: Historic sites from the Morgan County Interim Report, Indiana Historic Sites and Structures Inventory